

Donald F Weaver

List of Publications by Year in descending order

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227
papers

4,814
citations

136950

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118850

62
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232
all docs

232
docs citations

232
times ranked

5394
citing authors

#	ARTICLE	IF	CITATIONS
1	Axonal plasma membrane-mediated toxicity of cholesterol in Alzheimer's disease: A microsecond molecular dynamics study. <i>Biophysical Chemistry</i> , 2022, 281, 106718.	2.8	7
2	Anti-Inflammatory Anthranilate Analogue Enhances Autophagy through mTOR and Promotes ER-Turnover through TEX264 during Alzheimer-Associated Neuroinflammation. <i>ACS Chemical Neuroscience</i> , 2022, 13, 406-422.	3.5	7
3	Alzheimer's disease as an autoimmune disorder of innate immunity endogenously modulated by tryptophan metabolites. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022, 8, e12283.	3.7	27
4	Alzheimer's™: The ABCDE Paradigm. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1355-1357.	3.5	4
5	A Day That Changed Lives. <i>Neurology</i> , 2021, 96, 583-585.	1.1	0
6	Furazans in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1786-1815.	6.4	31
7	Synthesis of 1,2,4-Triazoles by Annulation of Nitriles with Hydrazines. <i>Synfacts</i> , 2021, 17, 0264.	0.0	0
8	Inter-individual variability in disease expression: the Tudor-Churchill spectrum. <i>Neurological Sciences</i> , 2021, 42, 5407-5411.	1.9	0
9	Synthesis of 2-Fluoro-1-benzofurans from $\hat{1}^2, \hat{1}^2$ -Difluoro-o-hydroxystyrenes by 5-endo-trig Cyclization. <i>Synfacts</i> , 2021, 17, 0490.	0.0	0
10	Synthesis of Triarylethanes by 1,6-Conjugate Addition. <i>Synfacts</i> , 2021, 17, 0616.	0.0	0
11	A Series of 2-((1-Phenyl-1H-imidazol-5-yl)methyl)-1H-indoles as Indoleamine 2,3-Dioxygenase 1 (IDO ₁) Inhibitors. <i>ChemMedChem</i> , 2021, 16, 2195-2205.	3.2	9
12	Synthesis of Enantiopure Piperidines by an Asymmetric Aza-Prins Reaction. <i>Synfacts</i> , 2021, 17, 0621.	0.0	0
13	Regioselective Synthesis of Indoles from Azoarenes or Azoxyarenes with Ketones. <i>Synfacts</i> , 2021, 17, 0744.	0.0	0
14	Drug-Receptor Interactions: It is a Numbers Game. <i>Canadian Journal of Neurological Sciences</i> , 2021, , 1-2.	0.5	2
15	COVID-19 as a Trigger of Brain Autoimmunity. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2558-2561.	3.5	39
16	Ferulic acid amide derivatives with varying inhibition of amyloid- $\hat{1}^2$ oligomerization and fibrillization. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 43, 116247.	3.0	4
17	Trickle-Down Therapeutics: Entitlement and Deprivation in the Treatment of Alzheimer's™ Disease. <i>Canadian Journal of Neurological Sciences</i> , 2021, , 1-7.	0.5	0
18	The Nth Wave of COVID-19: Will It Be Alzheimer's™?. <i>Canadian Journal of Neurological Sciences</i> , 2021, , 1-9.	0.5	0

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19	Design, synthesis, and biological evaluation of furosemide analogs as therapeutics for the proteopathy and immunopathy of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113565.	5.5	10
20	Decarboxylative Heteroannulation Route to Phenanthridin-6-ones. <i>Synfacts</i> , 2021, 17, 0025.	0.0	0
21	Synthesis of 2-Arylindoles by Iridium(III)-Catalyzed Sequential Annulations. <i>Synfacts</i> , 2021, 17, 0022.	0.0	0
22	β -Amyloid is an Immuropeptide and Alzheimer's is an Autoimmune Disease. <i>Current Alzheimer Research</i> , 2021, 18, 849-857.	1.4	6
23	Microsecond molecular dynamics studies of cholesterol-mediated myelin sheath degeneration in early Alzheimer's disease. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 222-239.	2.8	2
24	Decoding Interfacial Water Orientation to Predict Surface Charge Density on a Model Sheet Using a Deep Learning Algorithm. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2574-2582.	3.1	3
25	The Brain Exposure Efficiency (BEE) Score. <i>ACS Chemical Neuroscience</i> , 2020, 11, 205-224.	3.5	12
26	Synthesis of Cyclic Sulfoximines through 5-endo-dig Cyclization of N-Propargylsulfonamides. <i>Synfacts</i> , 2020, 16, 0021.	0.0	0
27	1,4-Benzoxazepines and Tetrahydroquinolines by Pd-Catalyzed [4+2] and [5+2] Annulations. <i>Synfacts</i> , 2020, 16, 1034.	0.0	0
28	Construction of Highly Substituted Furans and Thiophenes with Sulfur Ylides. <i>Synfacts</i> , 2020, 16, 0390.	0.0	0
29	Rotator drift: A sign of upper motor neuron leg weakness. <i>Clinical Neurology and Neurosurgery</i> , 2020, 197, 106084.	1.4	0
30	Amyloid beta is an early responder cytokine and immunopeptide of the innate immune system. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020, 6, e12100.	3.7	21
31	Furosemide as a Probe Molecule for the Treatment of Neuroinflammation in Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4152-4168.	3.5	21
32	^{13}C Hydroxymethylation of N-Arylazaindoles with Paraformaldehyde. <i>Synfacts</i> , 2020, 16, 1041.	0.0	0
33	Efficient Electrochemical Synthesis of 2-Aryl-1,2,3-Benzotriazoles and their N-Oxides. <i>Synfacts</i> , 2020, 16, 0901.	0.0	0
34	AuCl_3 -Catalyzed Synthesis of Cyclopentenes, Polycycles, Benzocarbocycles, and N-Heterocycles. <i>Synfacts</i> , 2020, 16, 0512.	0.0	0
35	Chemodivergent and Enantiospecific Synthesis of Benzazepines and Allyl Fluorides. <i>Synfacts</i> , 2020, 16, 0387.	0.0	0
36	Difluoromethylation of 1,2,4-Triazinones by a Copper-Catalyzed Interrupted Click Reaction. <i>Synfacts</i> , 2020, 16, 0142.	0.0	0

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37	Intramolecular N-Halovinylolation to Synthesize Cyclic \hat{I}^2 -Haloenamides. <i>Synfacts</i> , 2020, 16, 0905.	0.0	0
38	Pyrylium Reagent for the Radical C \hat{C} -N Borylation of Aromatic Amines. <i>Synfacts</i> , 2020, 16, 0509.	0.0	0
39	Biaryls from Anilines and Aryl Sulfoxides through Sigmatropic Rearrangement. <i>Synfacts</i> , 2020, 16, 0143.	0.0	0
40	Combined Chemoenzymatic Sequence for the Synthesis of \hat{I}^3 -Lactones. <i>Synfacts</i> , 2020, 16, 0900.	0.0	0
41	Ruthenium-Mediated ortho-Selective C \hat{C} -H (Per)fluoroalkylation of Anilines and Indoles. <i>Synfacts</i> , 2020, 16, 1040.	0.0	0
42	Dirhodium(II)-Catalyzed C(sp 2) \hat{C} -H Azidation for the Synthesis of Azidobenzaldehydes. <i>Synfacts</i> , 2020, 16, 0519.	0.0	0
43	The in silico search for endogenous anti \hat{A} lzheimer's compounds. <i>Alzheimer's and Dementia</i> , 2020, 16, e044674.	0.8	1
44	Daily listening to Mozart reduces seizures in individuals with epilepsy: A randomized control study. <i>Epilepsia Open</i> , 2020, 5, 285-294.	2.4	12
45	Anticonvulsant effects of sertraline: a case report. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 80, 1-2.	2.0	2
46	Regioselective Synthesis of Polyfluorinated o-Hydroxyacetophenones. <i>Synfacts</i> , 2020, 16, 0386.	0.0	0
47	Is Inhaled Furosemide a Potential Therapeutic for COVID-19?. <i>American Journal of the Medical Sciences</i> , 2020, 360, 216-221.	1.1	14
48	[3+2] Cycloadditions of 3-Nitroindoles with Substituted \hat{I}^3 -Allenoates. <i>Synfacts</i> , 2020, 16, 0014.	0.0	0
49	Effect of Cholesterol on the Structure of Networked Water at the Surface of a Model Lipid Membrane. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3686-3694.	2.6	8
50	Small molecule therapeutics for COVID-19: repurposing of inhaled furosemide. <i>PeerJ</i> , 2020, 8, e9533.	2.0	21
51	Multicomponent Mannich Reaction through C \hat{C} -H Activation of Azabiaryls. <i>Synfacts</i> , 2020, 16, 0020.	0.0	1
52	Synthesis of Indoles through C \hat{C} and C \hat{N} Bond Formation of Aliphatic Amines and Nitrosoarenes. <i>Synfacts</i> , 2020, 16, 1152.	0.0	0
53	Asymmetric Synthesis of Spiro-Benzofurans and Fused Benzopyrans. <i>Synfacts</i> , 2020, 16, 1409.	0.0	0
54	Synthesis of 1,4-Benzothiazines by Iodide-Catalyzed Alkene Sulfenoamination. <i>Synfacts</i> , 2019, 15, 0862.	0.0	0

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55	Impaired Spatial Learning and Memory in Middle-Aged Mice with Kindling-Induced Spontaneous Recurrent Seizures. <i>Frontiers in Pharmacology</i> , 2019, 10, 1077.	3.5	13
56	The Blood-Brain Barrier (BBB) Score. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9824-9836.	6.4	157
57	Effects of the Novel IDO Inhibitor DWG-1036 on the Behavior of Male and Female 3xTg-AD Mice. <i>Frontiers in Pharmacology</i> , 2019, 10, 1044.	3.5	33
58	Asymmetric Synthesis of Dihydrobenzofurans by an Organocatalytic [4+1] Cyclization. <i>Synfacts</i> , 2019, 15, 0865.	0.0	0
59	Triflic Acid-Mediated Synthesis of (Z)- β -Enamido Triflates and Fluorosulfonates. <i>Synfacts</i> , 2019, 15, 0985.	0.0	0
60	Inhibition of Pantothenate Synthetase by Analogs of β -Alanine Precursor Ineffective as an Antibacterial Strategy. <i>Chemotherapy</i> , 2019, 64, 22-27.	1.6	5
61	Directing-Group-Free C7-Alkylations of N-Alkylindoles by Zirconium Complexes. <i>Synfacts</i> , 2019, 15, 0987.	0.0	0
62	Nutrients in Alzheimer's Disease: The Interaction of Diet, Drugs and Disease. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 23-34.	0.5	7
63	Quinolines by Hydride Abstraction Induced Electrocyclization. <i>Synfacts</i> , 2019, 2019, 0480.	0.0	0
64	1H-Pyrrolo[2,3-d]carbazoles by Brønsted Acid Catalyzed Cyclization of Ynamides. <i>Synfacts</i> , 2019, 2019, 0481.	0.0	0
65	Understanding Water Structure in an Ion-Pair Solvation Shell in the Vicinity of a Water/Membrane Interface. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3945-3954.	2.6	9
66	Synthesis of Indolo[1,2- β]indole Derivatives by Gold(I)-Catalyzed Cycloisomerization. <i>Synfacts</i> , 2019, 15, 0350.	0.0	0
67	Synthesis of Carbazoles and Indolines by Gold-Catalyzed Diels-Alder Reactions. <i>Synfacts</i> , 2019, 15, 0360.	0.0	0
68	Synthesis of Benzodithiazines by an ortho-Metalation-Oxidative Cyclization Route. <i>Synfacts</i> , 2019, 15, 0226.	0.0	0
69	Brønsted Acid Catalyzed Synthesis of β -(3-Indolyl) Ketones. <i>Synfacts</i> , 2019, 15, 1114.	0.0	0
70	9a,10,12,12a-Tetrahydrobenzo[b]cyclopenta[f]pyrrolo[1,2-d][1,4]diazepinones. <i>Synfacts</i> , 2019, 15, 0604.	0.0	0
71	Misfolded proteins as a therapeutic target in Alzheimer's disease. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 118, 371-411.	2.3	4
72	Selective Synthesis of Thio-Substituted Cyclotriphosphazene Derivatives. <i>Synfacts</i> , 2019, 15, 1363.	0.0	0

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73	Understanding the effect of nanoconfinement on the structure of water hydrogen bond networks. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26237-26250.	2.8	18
74	Palladiumâ€“NHC Catalyzed Coupling of Organolithium Reagents at Low Temperatures. <i>Synfacts</i> , 2019, 15, 1109.	0.0	0
75	Preparation of Thietane, Thiolane, and Thiane Perfluorinated Dielsâ€“Alder Products. <i>Synfacts</i> , 2019, 15, 1359.	0.0	0
76	Explicit and Implicit Water Models for Biomolecular Simulations. , 2019, , .		1
77	Identification of Potent Indoleamine 2,3-Dioxygenase 1 (IDO1) Inhibitors Based on a Phenylimidazole Scaffold. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 131-136.	2.8	29
78	Point-of-care brain injury evaluation of conscious awareness: wide scale deployment of portable HCS EEG evaluation. <i>Neuroscience of Consciousness</i> , 2018, 2018, niy011.	2.6	3
79	Concussion, Cagney, Captains of the Clouds. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 682-685.	0.5	1
80	The hidden variables problem in Alzheimer's disease clinical trial design. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2018, 4, 628-635.	3.7	14
81	Phenylindanes in Brewed Coffee Inhibit Amyloid-Beta and Tau Aggregation. <i>Frontiers in Neuroscience</i> , 2018, 12, 735.	2.8	43
82	Topically applied linoleic/linolenic acid for chronic migraine. <i>Journal of Clinical Neuroscience</i> , 2018, 58, 200-201.	1.5	13
83	Serotonin as a drug receptor for Li ⁺ : a computational study. <i>Canadian Journal of Chemistry</i> , 2018, 96, 694-702.	1.1	0
84	Phenylpropanoids and Alzheimer's disease: A potential therapeutic platform. <i>Neurochemistry International</i> , 2018, 120, 99-111.	3.8	26
85	Susceptibility to hippocampal kindling seizures is increased in aging C57 black mice. <i>IBRO Reports</i> , 2017, 3, 33-44.	0.3	25
86	Disruptive technology disorder. <i>Neurology</i> , 2017, 89, 395-398.	1.1	1
87	Lingua patientis: new words for patient communication and history taking. <i>Scottish Medical Journal</i> , 2017, 62, 147-148.	1.3	1
88	[P1â€“078]: TARGETING OLIGOMERIC PROTEIN SPECIES WITH SMALL MOLECULES. <i>Alzheimer's and Dementia</i> , 2017, 13, P268.	0.8	0
89	[P4â€“031]: ALZHEIMER'S DISEASE AS A DISORDER OF TRYPTOPHAN METABOLISM. <i>Alzheimer's and Dementia</i> , 2017, 13, P1267.	0.8	1
90	P2â€“044: The Development of High Throughput Screening Strategies to Identify Antiâ€“Proteopathic and Antiâ€“Immunopathic Agents for The Treatment of Alzheimer's Dementia. <i>Alzheimer's and Dementia</i> , 2016, 12, P624.	0.8	0

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91	A Maple Syrup Extract Prevents β -Amyloid Aggregation. Canadian Journal of Neurological Sciences, 2016, 43, 198-201.	0.5	12
92	Hit-to-Lead Optimization of a Novel Class of Potent, Broad-Spectrum Trypanosomacides. Journal of Medicinal Chemistry, 2016, 59, 9686-9720.	6.4	30
93	Diversification of edaravone via palladium-catalyzed hydrazine cross-coupling: Applications against protein misfolding and oligomerization of beta-amyloid. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 100-104.	2.2	11
94	P4-169: Identification of endogenous β -amyloid anti-oligomerization agents via in silico screening of a library of known human CNS compounds against the e-v-h-h-q-k domain of β -amyloid. , 2015, 11, P843-P844.		0
95	Impact of Protecting Ligands on Surface Structure and Antibacterial Activity of Silver Nanoparticles. Langmuir, 2015, 31, 3745-3752.	3.5	47
96	Geminate consonant grapheme-colour synaesthesia (ideaesthesia). BMC Neurology, 2015, 15, 112.	1.8	0
97	Structure of Tiopronin-Protected Silver Nanoclusters in a One-Dimensional Assembly. Journal of Physical Chemistry C, 2015, 119, 24627-24635.	3.1	12
98	Font specific reading-induced seizures. Clinical Neurology and Neurosurgery, 2014, 125, 210-211.	1.4	3
99	Vagal stimulation by manual carotid sinus massage to acutely suppress seizures. Journal of Clinical Neuroscience, 2014, 21, 179-180.	1.5	2
100	Design of innovative therapeutics for pharmaco-resistant epilepsy: Challenges and needs. Epilepsia, 2013, 54, 56-59.	5.1	11
101	A simple electrotopological index for quantitative structure-activity relationship correlation of physical properties with biomolecular activities. Journal of Mathematical Chemistry, 2013, 51, 811-816.	1.5	1
102	Searching for an endogenous anti-Alzheimer molecule: identifying small molecules in the brain that slow Alzheimer disease progression by inhibition of β -amyloid aggregation. Journal of Psychiatry and Neuroscience, 2013, 38, 269-275.	2.4	11
103	An Efficient Method for the Protection of Aromatic Amines with Benzostabase and Its Utility in Anionic Aromatic Transformations. Synlett, 2013, 24, 2259-2262.	1.8	1
104	Drug Design and Discovery: Translational Biomedical Science Varies Among Countries. Clinical and Translational Science, 2013, 6, 409-413.	3.1	3
105	Pharmaco-resistant epilepsy: Unmet needs in solving the puzzle(s). Epilepsia, 2013, 54, 80-85.	5.1	40
106	In silico search for an endogenous anti-Alzheimer's molecule " Screening amino acid metabolic pathways. Canadian Journal of Chemistry, 2012, 90, 865-873.	1.1	6
107	Towards Brain First-Aid: A Diagnostic Device for Conscious Awareness. IEEE Transactions on Biomedical Engineering, 2011, 58, 750-754.	4.2	23
108	A pattern recognition study of acyclic ureide anticonvulsants. Journal of Pharmacy and Pharmacology, 2011, 42, 349-351.	2.4	6

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109	Determination of Octanol-water Partition Coefficients by an HPLC Method for Anticonvulsant Structure-activity Studies. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 47, 345-347.	2.4	26
110	Science as a Human Value. <i>Canadian Journal of Neurological Sciences</i> , 2010, 37, 539-540.	0.5	0
111	The bioisosteric similarity of the tetrazole and carboxylate anions: Clues from the topologies of the electrostatic potential and of the electron density. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1868-1872.	5.5	65
112	The rise of micropharma. <i>Drug Discovery Today</i> , 2010, 15, 84-87.	6.4	17
113	The Development of New Therapeutics for Alzheimer's Disease. <i>Clinical Pharmacology and Therapeutics</i> , 2010, 88, 475-486.	4.7	94
114	Improving the clinical assessment of consciousness with advances in electrophysiological and neuroimaging techniques. <i>BMC Neurology</i> , 2010, 10, 11.	1.8	50
115	$\hat{\Gamma}^2$ -Alanine as a small molecule neurotransmitter. <i>Neurochemistry International</i> , 2010, 57, 177-188.	3.8	158
116	Exploring neurotherapeutic space: how many neurological drugs exist (or could exist)?. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 63, 136-139.	2.4	14
117	Don't overlook the rigorously reviewed novel work in patents. <i>Nature</i> , 2009, 461, 340-340.	27.8	6
118	Passage of Time. <i>Canadian Journal of Neurological Sciences</i> , 2009, 36, 666-666.	0.5	0
119	Potential proconvulsant effects of oral zinc supplementationâ€“A case report. <i>NeuroToxicology</i> , 2008, 29, 476-477.	3.0	6
120	Perception of Time. <i>Neurology</i> , 2008, 71, 1836-1837.	1.1	3
121	DOES NSAID USE MODIFY COGNITIVE TRAJECTORIES IN THE ELDERLY? THE CACHE COUNTY STUDY. <i>Neurology</i> , 2008, 70, 895-895.	1.1	2
122	Principles and Practice of Computer-Aided Drug Design as Applied to the Discovery of Antiepileptic Agents. , 2008, , 515-XIX.		1
123	Deducing the Bioactive Face of Hydantoin Anticonvulsant Drugs Using NMR Spectroscopy. <i>Canadian Journal of Neurological Sciences</i> , 2008, 35, 232-236.	0.5	3
124	Recent Advances in Research on Radiofrequency Fields and Health: 2001â€“2003. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2007, 10, 287-318.	6.5	38
125	A Review of Density Functional Theory Quantum Mechanics as Applied to Pharmaceutically Relevant Systems. <i>Current Computer-Aided Drug Design</i> , 2007, 3, 290-296.	1.2	28
126	Anaesthetic binding sites for etomidate and propofol on a GABAA receptor model. <i>Neuroscience Letters</i> , 2007, 418, 28-33.	2.1	32

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127	Epilepsy and antiepileptic drug use in elderly people as risk factors for dementia. <i>Journal of the Neurological Sciences</i> , 2007, 252, 169-172.	0.6	36
128	Molecular modelling of the GABAA ion channel protein. <i>Journal of Molecular Graphics and Modelling</i> , 2007, 25, 721-730.	2.4	38
129	Evaluating Spousal Abuse as a Potential Risk Factor for Alzheimer's Disease: Rationale, Needs and Challenges. <i>Neuroepidemiology</i> , 2006, 27, 13-16.	2.3	17
130	Challenges in the clinical diagnosis of Alzheimer's disease: Influence of "family coach" on the Mini-Mental State Examination. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2006, 21, 109-112.	1.9	2
131	Designing future drugs for the treatment of intractable epilepsy. <i>Advances in Neurology</i> , 2006, 97, 429-34.	0.8	4
132	A Spontaneous Recurrent Seizure Bioassay for Anti-Epileptogenic Molecules. <i>Canadian Journal of Neurological Sciences</i> , 2005, 32, 97-102.	0.5	4
133	Theoretical structural explanation for Group I and Group II, type 2A von Willebrand disease mutations. <i>Journal of Thrombosis and Haemostasis</i> , 2005, 3, 796-797.	3.8	20
134	Benzhydryl as an Efficient Selective Nitrogen Protecting Group for Uracils.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
135	Morphine, Gabapentin, or Their Combination for Neuropathic Pain. <i>New England Journal of Medicine</i> , 2005, 352, 1324-1334.	27.0	1,006
136	The "promiscuous drug concept" with applications to Alzheimer's disease. <i>FEBS Letters</i> , 2005, 579, 1338-1342.	2.8	29
137	Patient-relevant, rather than physician-friendly, definitions of disease: An improved definition of epilepsy. <i>American Journal of Medicine</i> , 2005, 118, 805-806.	1.5	2
138	A quantitative structure-activity relationship study for β -substituted acetamido-N-benzylacetamide derivatives— A novel anticonvulsant drug class. <i>Canadian Journal of Chemistry</i> , 2005, 83, 37-45.	1.1	11
139	Validation of the Applicability of Force Fields to Reproduce Ab Initio Noncovalent Interactions Involving Aromatic Groups. <i>Advances in Quantum Chemistry</i> , 2004, 47, 65-92.	0.8	1
140	A Mathematical Model for Prediction of Drug Molecule Diffusion Across the Blood-Brain Barrier. <i>Canadian Journal of Neurological Sciences</i> , 2004, 31, 520-527.	0.5	12
141	Three-dimensional quantitative structure-activity and structure-selectivity relationships of dihydrofolate reductase inhibitors. <i>Journal of Computer-Aided Molecular Design</i> , 2004, 18, 309-331.	2.9	34
142	Molecular modeling of the von Willebrand factor A2 Domain and the effects of associated type 2A von Willebrand disease mutations. <i>Journal of Molecular Modeling</i> , 2004, 10, 259-270.	1.8	71
143	Spline-Fitting with a Genetic Algorithm: A Method for Developing Classification Structure-Activity Relationships.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
144	Density Functional Theory Investigations on the Chemical Basis of the Selectivity Filter in the K ⁺ Channel Protein. <i>Journal of the American Chemical Society</i> , 2004, 126, 4711-4716.	13.7	26

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145	Pruned Receptor Surface Models and Pharmacophores for Three-Dimensional Database Searching. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 3777-3787.	6.4	13
146	Benzhydryl as an Efficient Selective Nitrogen Protecting Group for Uracils. <i>Journal of Organic Chemistry</i> , 2004, 69, 9307-9309.	3.2	22
147	Organic pseudoseizures as an unrecognized side-effect of anticonvulsant therapy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2004, 13, 467-469.	2.0	10
148	Implementing a bioassay to screen molecules for antiepileptogenic activity: chronic pilocarpine versus subdural haematoma models. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2004, 13, 82-86.	2.0	6
149	A Comparison of Methods for Modeling Quantitative Structure-Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 5541-5554.	6.4	212
150	Spline-Fitting with a Genetic Algorithm: A Method for Developing Classification Structure-Activity Relationships. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 1906-1915.	2.8	136
151	Synthesis of 4-Ethoxycarbonyl-5-arylisoxazolidines via Regioselective Cycloaddition.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
152	Development of Quantitative Structure-Activity Relationships and Classification Models for Anticonvulsant Activity of Hydantoin Analogues.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
153	Ab initio molecular modeling of imadazolium interaction with 5-hydroxy- and 5-methoxyindole: implications for melatonin-based inhibition of Alzheimer β -amyloid fibril formation. <i>Computational and Theoretical Chemistry</i> , 2003, 626, 279-285.	1.5	7
154	Are anticonvulsants two thirds of local anesthetics? A quantum pharmacology study. <i>Computational and Theoretical Chemistry</i> , 2003, 638, 57-62.	1.5	9
155	N-, 1±-, and 1²-Substituted 3-Aminopropionic acids: design, syntheses and antiseizure activities. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 113-121.	3.0	25
156	Functionalized amido ketones: new anticonvulsant agents. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4275-4285.	3.0	21
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